



Part No.	8P24L16	8P16R24	7P24L16	7P16R24	6P24L16	6P16R24	6P30L20	6P20R30	5P30L20	5P20R30	5P36L24	5P24R36	45P39L26	45P26R39	4P42L28	4P28R42	35P45L30	35P30R45	290P45L30	290P30R45	
Figure	14	15	14	15	14	15	15	16	15	16	15	16	15	17	17	17	17	17	15	18	
Gear																					
Outside Dia.	3.037		3.496		4.070		5.067		6.080		7.278		8.722		10.589		12.943		15.639		
Pitch Dia.	3.000		3.429		4.000		5.000		6.000		7.200		8.667		10.500		12.857		15.500		
Pinion																					
Outside Dia.	2.169		2.506		2.930		3.578		4.290		5.094		6.065		7.355		8.960		10.908		
Pitch Dia.	2.000		2.286		2.667		3.333		4.000		4.800		5.778		7.000		8.571		10.334		
Combination	16	24	16	24	16	24	20	30	20	30	24	36	26	39	28	42	30	45	30	45	
Diametral Pitch	8		7		6		6		5		5		4½		4		3½		2.903		
Face Width	5/8		11/16		13/16		1		1½		1¼		1¾		1¾		2		2¾		
A Mount Dist.	1 ¹⁵ / ₁₆	1¼	2 ³ / ₁₆	2	2½	2¼	3	2¾	3½	3⅜	4¼	3 ⁹ / ₁₆	5 ³ / ₁₆	2 ⁷ / ₈	4 ¹¹ / ₁₆	3 ⁵ / ₁₆	5 ¹³ / ₁₆	4⅜	8 ⁵ / ₈	6⅞	
B Bore Length	7/8	1	1	1½	1½	1¼	1¼	1½	1¾	1¾	1½	2	1¾						3¼		
C Bore Dia. ^{+0.0005} / _{-0.0000}	¾	15/16	15/16	11/16	11/16	13/16	13/16	17/16	15/16	11/16	17/16	11 ¹⁵ / ₁₆	11 ¹¹ / ₁₆						3¾		
D Hub Dia.	1½	1 ⁷ / ₈	1 ⁷ / ₈	2 ¹ / ₈	2 ¹ / ₈	2 ³ / ₈	2 ³ / ₈	2 ⁷ / ₈	2 ³ / ₄	3 ¹ / ₈	3 ¹ / ₄	3 ¹ / ₂	3 ⁵ / ₈						6		
E Hub Length	¼	7/16	5/16	7/16	7/16	9/16	5/16	11/16	5/16	11/16	¾	9/16	9/16						½		
F Apex to Back.														3½	5 ⁹ / ₁₆	4	6 ¹³ / ₁₆	4 ⁷ / ₈			
G Bore Dia. ^{+0.001} / _{-0.000}														4¼	3¼	5½	4	6½		10	
H C' bore Dia.														6	4 ⁷ / ₈	7¼	6	8 ⁷ / ₈			
J Bolt Circle														5⅞	4	6 ³ / ₈	4 ⁷ / ₈	7 ³ / ₄		11½	
K Web Thick.														5/8	7/8	5/8	7/8	¾		5/8	
L C' Bore Dia.														5/8	7/8	11/16	1	¾			
M Bore Length														5/16	5/16	5/16	5/16	5/16			
Holes	Size													13/32	13/32	13/32	17/32	17/32		½-20a	
	No.													12	12	12	12	12		12	
Keyway	3/16x1/16	1/4x3/32	1/4x3/32	1/4x3/32	1/4x3/32	1/4x3/32	1/4x3/32	3/8x1/8	3/8x1/8	3/8x1/8	3/8x1/8	1/2x3/16	3/8x1/8							7/8x5/16	
**Max. Bore	*	13/16	*	19/16	*	11 ¹¹ / ₁₆	11 ¹¹ / ₁₆	1½	1 ⁷ / ₈	2¼	2½	2 ⁵ / ₈	2¾	*	*	*	*	*	4¾	10	
Wt. each, lbs.	.38	1.00	.75	1.62	1.00	2.25	1.63	4.37	3.38	6.25	5.25	11.50	8.62	9.50	8.25	14.00	13.50	25.50	44.5	45	
Torque (lb. in.)	Gear	902		1295		2084		3850		5960		8658		13122		23370		37958		81825	
	Pinion	601		863		1389		2567		3973		5772		8748		15580		25305		54550	

Note: All dimensions are in inches. *Cannot be reworked. **Keyway Unchanged a - 7/8 thread length